

WHAT IS CLAIMED IS:

1 1. A computer-implemented method for displaying driving directions having
2 multiple maneuvers, the method comprising:
3 accessing route information for a route from an origin to a destination;
4 generating maneuvers for the route based on the route information; and
5 combining a first maneuver with a second maneuver based at least in part upon
6 the first maneuver being associated with a highway interchange and the second maneuver
7 being associated with the highway interchange; and
8 presenting the combined route maneuver on a user system.

1 2. The method of claim 1 further comprising:
2 repeating the combining to identify additional interchange maneuvers; and
3 eliminating redundant interchange maneuvers such that a particular highway or a
4 particular interstate is only included in one interchange maneuver for the route.

1 3. The method of claim 1 wherein presenting the combined route maneuver
2 on a user system comprises displaying the combined route maneuver in driving directions
3 that are displayed by a system connected to an Internet service provider.

1 4. The method of claim 1 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a printer associated with the user system.

1 5. The method of claim 1 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a display device associated with the user system.

1 6. The method of claim 5 wherein displaying the combined route maneuver
2 in driving directions comprises displaying the combined route maneuver in driving
3 directions on a personal digital assistant.

1 7. The method of claim 1 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a display device associated with a vehicle on-board
4 navigation system.

1 8. The method of claim 1 wherein presenting the combined route maneuver
2 on the user system comprises presenting driving direction text that starts with “Merge
3 onto” and includes text associated with a particular a road name, wherein the road name
4 text is appended with “via” and an exit number associated with the combined maneuver.

1 9. The method of claim 1 wherein presenting the combined route maneuver
2 on the user system comprises presenting driving direction text that starts with “Merge
3 onto” and includes text associated with a particular a road name, wherein the road name
4 text is appended with “via” and exit information associated with the combined maneuver.

1 10. A computer-implemented method for displaying driving directions having
2 multiple maneuvers, the method comprising:
3 accessing route information for a route from an origin to a destination;
4 generating maneuvers for the route based on the route information; and
5 combining a first maneuver with a second maneuver to produce a combined route
6 maneuver based at least in part upon the first maneuver including a reference to a
7 particular road; and
8 presenting the combined route maneuver on a user system.

1 11. The method of claim 10 wherein combining the first maneuver with the
2 second maneuver to produce the combined route maneuver based at least in part upon the
3 first maneuver including the reference to the particular road comprises combining a first
4 maneuver with a second maneuver to produce a combined route maneuver based at least
5 in part upon the first maneuver including a reference to a particular road unless

6 intersection between the first maneuver and the second maneuver includes an intersecting
7 forward link.

1 12. The method of claim 10 wherein presenting the combined route maneuver
2 on a user system comprises displaying the combined route maneuver in driving directions
3 that are displayed by a system connected to an Internet service provider.

1 13. The method of claim 10 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a printer associated with the user system.

1 14. The method of claim 10 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a display device associated with the user system.

1 15. The method of claim 14 wherein displaying the combined route maneuver
2 in driving directions comprises displaying the combined route maneuver in driving
3 directions on a personal digital assistant.

1 16. The method of claim 10 wherein presenting the combined route maneuver
2 on the user system comprises displaying the combined route maneuver in driving
3 directions that are displayed by a display device associated with a vehicle on-board
4 navigation system.

1 17. A computer-readable medium or propagated signal having embodied
2 thereon a computer program configured to display driving directions having multiple
3 maneuvers, the medium or signal comprising one or more code segments configured to:
4 access route information for a route from an origin to a destination;
5 generate maneuvers for the route based on the route information;

6 combine a first maneuver with a second maneuver based at least in part upon the
7 first maneuver being associated with a highway interchange and the second maneuver
8 being associated with the highway interchange; and
9 present the combined route maneuver on a user system.

1 18. The medium of claim 17 wherein the one or more code segments are
2 further configured to:
3 repeat the combining to identify additional interchange maneuvers; and
4 eliminate redundant interchange maneuvers such that a particular highway or a
5 particular interstate is only included in one interchange maneuver for the route.

1 19. A computer-readable medium or propagated signal having embodied
2 thereon a computer program configured to display driving directions having multiple
3 maneuvers, the medium or signal comprising one or more code segments configured to:
4 access route information for a route from an origin to a destination;
5 generate maneuvers for the route based on the route information; and
6 combine a first maneuver with a second maneuver to produce a combined route
7 maneuver based at least in part upon the first maneuver including a reference to a
8 particular road; and
9 present the combined route maneuver on a user system.

1 20. The medium of claim 19 wherein the one or more code segments are
2 configured to combine a first maneuver with a second maneuver to produce a combined
3 route maneuver based at least in part upon the first maneuver including a reference to a
4 particular road unless intersection between the first maneuver and the second maneuver
5 includes an intersecting forward link.

1 21. A system for displaying driving directions having multiple maneuvers, the
2 system comprising a processor connected to a storage device and one or more
3 input/output devices, wherein the processor is configured to:
4 access route information for a route from an origin to a destination;

5 generate maneuvers for the route based on the route information;
6 combine a first maneuver with a second maneuver based at least in part upon the
7 first maneuver being associated with a highway interchange and the second maneuver
8 being associated with the highway interchange; and
9 present the combined route maneuver on a user system.

1 22. The system of claim 21 wherein the processor is further configured to:
2 repeat the combining to identify additional interchange maneuvers; and
3 eliminate redundant interchange maneuvers such that a particular highway or a
4 particular interstate is only included in one interchange maneuver for the route.

1 23. A system for displaying driving directions having multiple maneuvers, the
2 system comprising a processor connected to a storage device and one or more
3 input/output devices, wherein the processor is configured to:
4 access route information for a route from an origin to a destination;
5 generate maneuvers for the route based on the route information; and
6 combine a first maneuver with a second maneuver to produce a combined route
7 maneuver based at least in part upon the first maneuver including a reference to a
8 particular road; and
9 present the combined route maneuver on a user system.

1 24. The system of claim 23 wherein the processor is configured to combine a
2 first maneuver with a second maneuver to produce a combined route maneuver based at
3 least in part upon the first maneuver including a reference to a particular road unless
4 intersection between the first maneuver and the second maneuver includes an intersecting
5 forward link.